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Author Keywords: Concurrency control; Locking schemes; Deductive databases; Extended dependency graphs

## References

- [1]. J.D. Ullman. In: (2nd edn. ed.), Principles of Database and Knowledge Based Systems Volumes I and II, Computer Science Press. Rockville, MD (1988).
- [2]. R. Elmasri and S.B. Navathe, Principles of Database Systems. (2nd edn. ed.), Benjamin/Cummings, Redwood City, CA (1994).
- [3]. S. Yoo, M. Yu and P.C.-Y. Sheu, Concurrency control in deductive databases and object bases. *Data Knowl. Eng.* 9 (1992/1993), pp. 223–240. Abstract | View Record in Scopus | Cited By in Scopus (1)
- [4]. N.S. Barghouti and G.E. Kaiser, Concurrency control in advanced database applications. ACM Comput. Surv. 23(1991), pp. 269–317. Full Text via CrossRef
- [5]. D.E. Langworthy, Evaluating correctness criteria for transactions. SIGPLAN Notes 23 (1988), pp. 139–141. Full Text via CrossRef
- [6]. M.J. Carey, D.J. DeWitt and G. Graefe, Mechanism for concurrency control and recovery in Prolog: A proposal. In: L. Lerschberg, Editor, Expert Database Systems, Benjamin/Cummings, Redwood City, CA (1986), pp. 271–292.
- [7]. M. Morgenstern, The role of constraints in databases, expert systems, and knowledge representation. In: L. Lerschberg, Editor, Expert Database Systems, Benjamin/Cummings, Redwood City, CA (1986), pp. 351–368. View Record in Scopus | Cited By in Scopus (1)
- [8]. R. Reiter, Towards a logical reconstruction of relational database theory. In: M.L. Brodie, J. Mylopoulos and J.W. Schmidt, Editors, On Conceptual Modeling, Springer Verlag, New York (1984), pp. 191–233.

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Information and Software Technology Volume 39, Issue 7, 1997, Pages 477-483

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